STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
AIR POLLUTION CONTROL PROGRAM
1101 RIVERSIDE DRIVE, P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102-0176

EMISSIONS INVENTORY QUESTIONNAIRE (EIQ)

FORM 2.4 VOLATILE ORGANIC LIQUID LOADING WORKSHEET

NOTE:

This form should be used to calculate the emissions from loading organic liquids into tank trucks, rail tank cars and barges. Form 2.5 should be used to calculate the Load In-Load Out emissions from the storage tanks.

FACILITY NAME	FIPS COUNTY NO.	PLANT NO.	YEAR OF DATA

[1] LOADING INFORMATION

POINT NO.	SOURCE CLASSIFICATION CODE (SCC)	SEG NO.
ANNUAL THROUGHPUT OF LIQUID (1,000 GALLONS)	**CONTROL DEVICE TYPE**	**CONTROL EFFICIENCY (%)**

TYPE OF LOADING

☐ SPLASH LOADING ☐ SUBMERGED LOADING ☐ BOTTOM LOADING

☐ OTHER, PLEASE SPECIFY BELOW

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[2] CHEMICAL INFORMATION

BULK LIQUID TYPE	MOLECULAR WT OF MATERIAL LOADED (LB/LB-MOLE)
TRUE VAPOR PRESSURE OF BULK LIQUID (PSIA)	**SATURATION FACTOR**

TEMPERATURE OF LIQUID (DEG R) = DEGREES FAHRENHEIT + 460 DEGREES FAHRENHEIT

[3] LOADING LOSS EMISSION FACTOR CALCULATION

LOADING LOSS EMISSION FACTOR =

12.46 X {MOLECULAR WT} X {TRUE VAPOR PRESSURE} X {SATURATION} / {TEMPERATURE (DEG R)}

LOADING LOSS EMISSION FACTOR	UNITS
	LBS PER 1000 GALLONS

NOTE

Enter the Control Efficiency (%) from Section 1 (above) into Section 3, Block 10 on Form 2.0.
Enter the Annual Throughput of Liquid from Section 1 (above), expressed in thousands of gallons, into Section 2, Block 1 on Form 2.0.
Enter the Loading Loss Emission Factor from Section 3 (above) into the VOC Box of Section 3, Block 7 on Form 2.0.

REMEMBER when calculating emissions, use a SEPARATE Form 2.0, Emission Point Information, for each type of liquid loaded in the tank during the year.
Use the same Point Number but with the Source Classification Code (SCC) that corresponds to the different liquid type.